



Chinese-American Oceanic and Atmospheric Association

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About the COAA

COAA is a member-led, all-inclusive, non-profit, professional association supporting its members and promoting excellence in oceanic and atmospheric sciences and related activities. Members have many opportunities to share information, news, studies and concerns related to the fields of oceanic and atmospheric sciences through board work, submitting correspondence or articles to the COAA Newsletter, leading workshops and making presentations at the Annual Meetings, making contributions to the COAA website, and networking with people in a wide variety of careers (from well-known senior professionals to young environmental enthusiasts).

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Message from the New President

Happy Monkey Year!

As a Chinese saying puts it, “when a tiger is not home, a monkey is the boss”. I am humbly stepping in as the COAA “boss” in this Monkey Year, but I truly don’t want to be the “monkey”, because monkey is a symbol/icon in English that tends to mess things up, like “don’t be a monkey”, or “monkey hands”, etc. I don’t want to mess up COAA, a wonderful organization that has been well behaved and gained its solid reputations in the U.S., mainland China, Taiwan, and Hong Kong over more than 20 years with more than 600 members.

That said, I do want to stir something up for COAA for the Monkey Year as of today. As we all know, COAA has held its professional conferences every three years, rotating over the U.S., mainland China, Taiwan, and Hong Kong. This year, we are slated to have our international conference in Beijing, China. I think the upcoming conference will be timely palpable, as we all know Beijing has been plagued by its smug weather for years. As we are deep into the El Nino year and ever-warmth of our globe, the extreme weather events have occurred frequently all over the world. We are the scientists and professionals who possess the right knowledge and skills to safeguard the wellbeing of the society and humanity.

Hopefully, see you all in Beijing with your “monkey visions” but not your “monkey hands”!

Chungu Lu
President of COAA (2016)

Announcement of the 7th COAA Beijing Conference

The Chinese-American Oceanic and Atmospheric Association (COAA) is pleased to announce the 7th International Conference on Atmosphere, Ocean, and Climate Change, to be held in **Beijing**, China, during **July 27-30, 2016**. The sciences and technologies conference is aimed to bring global Chinese professionals on ocean and atmosphere science and technology to exchange ideas and experiences in the practical application of innovative sciences and technologies related to ocean and weather observing and forecasting systems, climate change and global warming. The conference is the premier platform for experts from all over the world to explore new technologies, inspire new strategies, and identify opportunities for future collaborations with their peers. It is also a means for senior scientists and engineers to provide helpful information for younger generations to stimulate the knowledge transfer from generation to generation.

Registration and Abstract submission can be found at <http://www.coaaweb.org/COAA2016> if you have any questions please contact us directly via email coa2016@coaaweb.org.

IMPORTANT DATES:

04/30/2016: Abstract Submission Deadline	05/15/2016: Acceptance Notifications
06/30/2016: Online Registration Deadline	07/27/2016-07/30/2016: Conference in Beijing with on-site registration

COAA 2015 AGU Banquet

December 17th 2015 Thursday – COAA hosted its annual AGU banquet on December 17, 2015 at San Francisco, CA. More than 110 participants around the world attended this banquet, including many new COAA members, who joined COAA onsite of the banquet. This event was the first one hosted jointly by COAA Head Quarter, COAA South California Chapter, and COAA Colorado Chapter.

Dr. Chungu Lu (NSF; COAA President-elect) inaugurated this event with the reception of wines followed by a banquet full of delicious Chinese foods partially sponsored by COAA.

As the recipient of AGU Fellow of 2015, Prof. Guoxiong Wu of Chinese Academy of Science gave stimulating and enlightening speech, and encouraged the young scientists to work more diligently and more determined by portraying the hard time in pursuing their career goals. Prof. Kuo-nan Liao (UCLA; AGU fellow) and Dr. Bill Lau (AGU Atmospheric Science Section president; AGU fellow) both shared their stories of their life, research, teaching, and scientific management, and called upon young people to “dream the impossible dream”. Prof. Ping Yang of Texas A&M Univ. also received AGU Fellow of 2015 and shared his career path. Dr. Song Yang (Sun Yet-sen Univ. and former COAA President) introduced the current status of Sun Yet-sen University and advertised the new faculty openings in the department. Dr. Yuxiang Wang introduced his PIESAT Company, a leading remote sensing software company in China.

Following their speeches, Dr. Jonathan H. Jiang (JPL; former President of COAA Southern CA chapter) read Prof. Yuk L. Yung’s poem “Seeking the Truth”. Drs. Chungu Lu, Hui Su (JPL; COAA Southern CA chapter President) and Hanli Liu (UCAR, spoke substitute for Dr. William Kuo, President of Colorado Chapter) reported the past year’s activities COAA hosted or participated, and expressed COAA board’s gratitude to continuous support from COAA members and corporative sponsors (including ERT and IMSG). In this event, COAA also received generous personal donations from Prof. Chungu Lu (\$300). Any COAA member donating over \$100 becomes a lifetime COAA member.

The gathering strengthened friendships among the COAA members, reunited old and new friends, showcased the collective power of Chinese professionals in our fields, and initiated some potential collaboration among our members and institutions.

Pictures for this event can be accessed at:

https://www.dropbox.com/sh/o2j5und5cvmsdi/AADjN_8FVi-DrnCtw7q76z1xa?dl=0



(Material credits go to Dr. Hao He and Photo credits to Hui Su)

COAA 2016 AMS Banquet

January 11th 2016 Monday– To foster friendships, communication and networking among fellow Chinese professionals, COAA hosts AGU and AMS Receptions annually in recent years. Following a successful COAA AGU 2015 Reception Banquet, COAA hosted the COAA AMS 2016 Dinner Reception on Monday, January 11, 2016 in a famous New Orleans Style restaurant with buffet style service (Calcasien Restaurant).

Around 50 colleagues attended the Reception. On behalf of the COAA Board 2015, COAA President Dr. Jin Huang first welcomed the audience with Happy New Year greetings. She introduced the history of COAA and the COAA board members. An overview of the COAA activities in the past year was summarized as well. Dr. Huang introduced COAA's next president, Dr. Chungu Lu from NSF, which marked the successful presidency transfer of COAA Board 2015 to COAA Board 2016.

Dr. Lu warmly welcomed everyone with Happy New Year greeting. He also briefly introduced the upcoming Beijing conference in summer of 2016. Dr. Wenjian Zhang from WMO had a warm speech with great encouragement to Chinese meteorology community to get involved in public service and contribute to China's fast development.

The representatives of the key sponsors of the Reception, Dr. Jingli Yang from ERT and Dr. Le Jiang from IMSG also sent their new year greeting to the participants. COAA are thankful to the generous sponsors from ERT, IMSG and other donations.



The Reception also celebrates the achievements of the new AMS fellows. Prof. Rong Fu, one of the new AMS fellows gave a speech to urge the voicing out of Chinese scientist to run for AGU and AMS public service positions.

The Reception lasted 3 hours and finished at 9:30pm. All participants enjoyed the delicious New Orleans styled food as well as wines and beers sponsored by COAA. They met new and old friends, and sent the Happy New Year greeting to each other. All the participants expressed great interest on the COAA's activities in the new year, and COAA counts on the great support from our dear members to continuous success in years to come!

Happy New Year from New Orleans!

(News credits go to Dr. Jingfeng Huang)

COAA 2016 New Year Luncheon

February 6th, 2016 Saturday – COAA hosted the annual Chinese New Year Luncheon at Hunan Manor Restaurant in Columbia, MD. This is a long-term tradition of COAA headquarter on celebrating the Chinese New Year and on recognizing of COAA's achievements during the past year. 20 COAA past, current and future board members attended this event. During the luncheon, COAA 2015 president, Dr. Jin Huang, summarized the major achievements COAA had made during 2015, and acknowledged the contributions from COAA board members and continuous support from COAA members and sponsors. She also formally presented COAA's 2016 boards, which will be led by president Dr. Chungu Lu from NSF and president-elect, Dr. Jianhe Qu from George Mason University. Dr. Lu welcomed the new board members, and emphasized board's focus on successfully hosting the 7th International Conference on Atmosphere, Ocean and Climate Change in Beijing, China. Dr. Jiangtao Xu reported the revenue and spending of COAA's budget during the past year afterwards. The luncheon attendees enjoyed joyful reunion as well as delicious gourmets.



(Materials and Photos Provided by Jie Gong)

3rd Chinese Environmental Scholars Forum 2016 第三届留美环境学者论坛 2016 主题报告人征集

继 2014 年哈佛大学，2015 年耶鲁大学分别举办第一届和第二届留美环境学者论坛后，今年的论坛将在普林斯顿大学举办，现全面向全球公开征集 15 位主题报告人。今年的主题包括：1. 气候变化的削减，2. 水能源食品及其它可持续发展要素的关联，3. 空气污染与中国环境挑战。

征稿请发送至：huanjingxuezhe@gmail.com

Time: 4-5 June 2016

Abstract deadline: 1 April 2016

Contacts: 刘竹 zhuliu@caltech.edu 方雪坤 fangxk@mit.edu

Website: <http://www.envforum.org/>

COAA-SCC 2016 New Year Luncheon

February 6th 2016 Saturday – COAA SCC held a successful New Year Luncheon in Los Angeles on Feb 6, 2016. The luncheon has been a great tradition for our members and friends to get together and celebrate the Chinese New Year. More than 50 COAA members and families attended this event.



The luncheon started with greetings from COAA SCC president Dr. Hui Su, and followed by greetings from Professor Kuo-Nan Liou and Professor Yong-Kang Xue from UCLA. Mr. Xianzhi Lv from the Consulate General of the People's Republic of China in Los Angeles also attended the event and talked on the recent development in China and America relationships.

After lunch, the attendees enjoyed a performance from a dance group invited by Dr. Hui Su. Dr. Jonathan Jiang from JPL and Dr. Guangjun Zhang from UCSD performed on poem reading and writing reversely on a paper. In the following prize raffling, a handful of lucky members received a New Year gift from COAA SCC. The luncheon ended with a "Ji Gu Chuan Hua" game with lot of laughs and songs.

(News credits go to Dr. Xuan Ji)

Call for Contributions to COAA Newsletter

COAA is made possible by your support and contribution. We would like to invite and encourage you to send us any news or info that you would like to share with the COAA community. These info and news include but are not limited to:

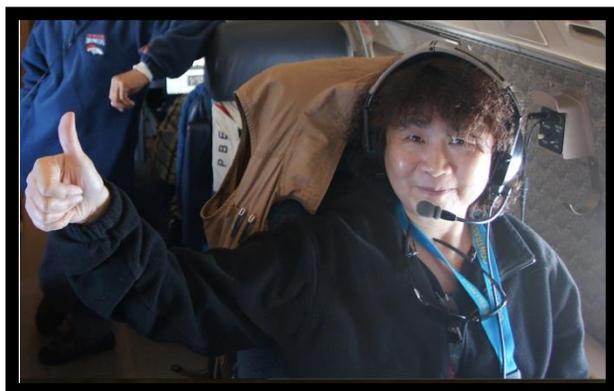
- Awards (received by you or your colleagues);
- Nomination of COAA Spotlight candidates;
- Major achievements (by you, your colleagues, students, or staff);
- Workshops or conferences you or your organization will host;
- Important events or milestones of your lab/group/organization;
- Fun, educational, photogenic, or surprising photos (especially from the field);
- Local chapter/group news (interest, initiation, establishment, announcement, events, etc.)

Please send your announcements to: news@coaaweb.org

COAA Spotlight: Dr. Laura Pan

Dr. Laura Pan (潘力文) is a senior scientist at the National Center for Atmospheric Research (NCAR) in Boulder, Colorado. Laura had her undergraduate education in Physics in Beijing Normal University (BNU), as part of the first generation of college students after the Cultural Revolution (Class 77). She entered the PhD program in the Johns Hopkins University (Physics) through the CUSPEA program (established by T.D. Lee) in 1981. After completing her PhD in Quantum Optics in 1987, she worked as a postdoc in the National Institute of Standard and Technology (NIST). Laura entered the field of atmospheric science in 1991 from the satellite remote sensing of stratospheric ozone with the TOMS team led by scientists from NASA Goddard. She moved to Boulder, Colorado with her husband in 1992 and has been working at NCAR since then. She worked in the MOPITT team and was responsible for developing the CO retrieval algorithm. She later on moved into airborne research of the upper troposphere and lower stratosphere composition and transport and served as a principal investigator for a number of field campaigns and a mission scientist on the NSF/NCAR research aircraft Gulfstream V.

Dr. Pan's success as a scientist, especially as a female scientist, is a great illustration of removing the barriers facing women within the STEM education and careers. It inspires female students and scholars today to fight their paths in STEM and become future leaders.



Q: How did you decide to study atmospheric/ocean science?

Pan: I entered the field of atmospheric science largely by accident. My PhD and Postdoc research was in Quantum Optics. At the end of my postdoc, I made a difficult decision to take a job outside my field to protect the family co-location. That was around the beginning of NASA's Mission to Planet Earth. Opportunities to work on TOMS ozone brought me into the field of atmospheric Science. It has been an

amazing experience to work in this field.

Q: Which accomplishments are you most proud of in your professional life, including your group achievements? Can you share with us your research and career development for the sake of young COAA members?

Pan: I do not have any accomplishment of which I feel "proud". I have, however, had rewarding experience from meeting the challenges in my career path. The first one is the change from Quantum Optics to atmospheric science. Learning new things everyday as I went was both challenging and rewarding. I learned a lot about the atmosphere on the research aircraft, an extremely rewarding experience. I have done a few field campaigns in a leadership role, and led each through the phases of conceptual design, proposal writing, team formation, field operation, data collection and analyses, and publication of findings. It is a very rewarding process working with a large group of good people, making realtime decisions on the plane, and especially observing the atmosphere in situ. The most rewarding of all is to pull out new discoveries from

the data. The two recent examples are the discoveries of the tropopause reaching thunderstorms wrapping down ozone from the stratosphere and the bi-modal behavior of the free tropospheric ozone over the tropical western Pacific.

Q: Who influenced you the most in your professional life and why?

Pan: I have had a number of excellent mentors. Their influences on my career are huge. If I have to choose just three people, they would be Susan Solomon, Bill Randel and Brian Ridley. I met Susan at an all time low point in my career. It was her faith in me and her fiery encouragement, which energized me to re-invent myself into an atmospheric scientist. Bill has been an amazing colleague and friend to be around. I learned so much by watching how he does research. Perhaps it is because we both have physics background, and the way he pulls out simplicity from complexity has profound influence on my work. As I stumbled into airborne research, Brian was just there to help me. His quiet “hand-holding” was so essential for me to grow into the field work and working on the research aircraft as a mission scientist. I remember in the early days how much I was worried about turbulence when flying around convection. He told me that it is just part of life and shared a story of grabbing his laptop before it hit the ceiling in a convection flight. I have done that a few times since then and always thought about what he said and smiled.

Q: How are you interacting with Chinese-speaking scientists in Asia?

Pan: I have collaborations with scientists at the Institute of Atmospheric Physics (IAP), Chinese Academy of Science (CAS). I have also mentored graduate students and postdoc from IAP and Lanzhou University.

Q: What are your perspectives for future direction in our field?

Pan: I think integrating information from observations and models is extremely important. We often have too strong a divide between the two.

Q: What are your major advices to young scientists in our field?

Pan: (1) Passion is the most important factor for becoming a real scientist. (2) Communication skills are very important. (3) Find good mentors. (4) Do not work in isolation. Push your self to interact with the best thinkers in your field.

Announcement of Publication of three new volumes of The World Scientific Series on Asia-Pacific Weather and Climate

Founded by several original COAA members, the World Scientific Series on Asia-Pacific Weather and Climate just announced three recent volumes are published within the last three months:

Vol. 6: Climate Change: Multidecadal and Beyond (Eds: C.P. Chang, Michael Ghil, Mojib Latif, and John Mike Wallace)

Vol. 7: Indo-Pacific Climate Variability and Predictability (Eds: Swadhin Kumar Behera & Toshio Yamagata)

Vol. 8: Aridity Trend in Northern China (Eds: Congbin Fu and Huiting Mao)

<http://www.worldscientific.com/series/wssapwc>



Recent Job Announcements

中国气象科学研究院

灾害天气国家重点实验室高层次人才招聘公告

中国气象科学研究院灾害天气国家重点实验室 2004 年由国家科技部批准组建，定位于应用基础研究，以灾害天气监测、分析、演变机理及预测理论、技术为主要研究方向。现根据高层次人才队伍建设需要，面向国内外公开招聘科技领军和青年拔尖等优秀人才，有关事项公告如下：

一、招聘团队及方向

1. 灾害性天气发生发展机理及预报方法和预警技术；
2. 数值天气模式关键技术；

各团队招聘人数不限。

二、招聘条件

(一) 科技领军人才条件

1. 具有开阔视野和前瞻能力，能把握本专业领域世界科技前沿发展态势和现代气象业务发展需求，对气象科研业务工作有创新性构想，具备引领本专业先进水平的能力。
2. 具有博士学位，学术造诣深，有主持或负责重大科研业务项目（课题）的经验，取得重要研究成果，具备解决现代气象业务关键技术难题的能力。在重大科学问题研究上有突出的统筹规划能力，能有效组织团队承担重大科技任务，推动和实施重大科技创新活动。
3. 海外引进的领军人才，应在国外著名高校、科研机构有正式科研或教学职位，担任副教授（或相当）以上职务的专家学者，且具备下列条件之一：
 - (1)近五年以前三作者在《Nature》、《Science》发表具有重要影响的学术论文；
 - (2)近五年以第一作者（通讯作者）发表影响因子 2.0 以上 SCI 学术论文 6 篇（含）以上；
 - (3)掌握重要气象科学研究关键技术，急需专业紧缺人才等。
4. 国内引进的领军人才应具备下列条件之一：
 - (1)国家重大人才工程入选者；
 - (2)国家级科技奖前三名获奖者，中国青年科技奖获得者等；
 - (3)国家自然科学基金杰出青年基金获得者、国家自然科学基金创新研究群体学术带头人、国家重点领域科技创新团队负责人等；
 - (4)国家重大科技计划的首席科学家；
 - (5)国内知名大学或科研机构正研级专业技术岗位聘任，具有 1 年以上国外从事科研工作的经历且取得一定研究成果。近五年以第一作者（通讯作者）发表影响因子 1.0 以上 SCI 学术论文 6 篇（含）以上。

5. 年龄一般在 50 周岁以下，特别优秀者可适当放宽。

(二) 青年拔尖人才条件

(1) 具有稳定的专业方向和独立的科学研究能力，学术水平较高，思维活跃，有较强的创新能力，在科技团队攻关中发挥重要作用，为所从事专业领域同龄人中的拔尖人才，有成为该领域学术带头人的发展潜力。

(2) 近五年以第一作者发表影响因子 1.0 以上 SCI 学术论文 5 篇（含）以上。

(3) 引进的国内青年拔尖人才应在知名大学或科研机构有正式教学或科研职位，具有博士学位，具备主持国家级科研业务项目（课题）的经验。

(4) 引进的国外青年拔尖人才，具有博士学位，并具有连续 3 年以上在国外著名高校或科研机构从事科研工作的经历。

(5) 年龄一般在 40 周岁以下，特别优秀者可适当放宽。

三、待遇及支持措施

1. 以项目方式提供科研启动经费，领军人才 100 万元人民币，青年拔尖人才 50 万元人民币。

2. 聘期内工资实行年薪制。领军人才的年薪 50-100 万人民币，青年拔尖人才的年薪 15-40 万人民币。详细生活待遇和工作条件面议。

3. 在北京没有住房的海外领军人才由中国气象局解决安排住房（按中国气象局规定执行）。其他引进人才由中国气象局提供周转房，周转房的使用年限和费用协商确定。

4. 提供良好的办公和实验条件，在人员配置方面给予倾斜支持，确保其尽快建立起规模、结构合理的科技创新团队。在出国交流访问、研究生和博士后招录、联合培养研究生、客座研究人员聘用等方面给予优先支持。

5. 根据学术水平等综合能力，优先推荐符合条件的海外引进人才申报国家“千人计划”、“青年千人计划”等。优先推荐参加国家级和中国气象局等各类人才称号的评选和专业技术职务的评审；优先推荐引进人才的科技成果参评国家、省部级奖项的评选等。

四、遴选程序

1. 申请人报名，填写《中国气象科学研究院高层次人才招聘申报表》（见附件），并提交学历学位、职称、工作经历、获奖等业绩成果等证明材料。**报名截止时间：公告发布之日起至 2016 年 2 月 29 日。**

2. 经资格审查，符合条件的人选参加面试答辩。

3. 根据面试答辩结果确定人选，签订工作协议书，并办理相关手续。

五、联系地址和联系方式

联系地址：北京市海淀区中关村南大街 46 号

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